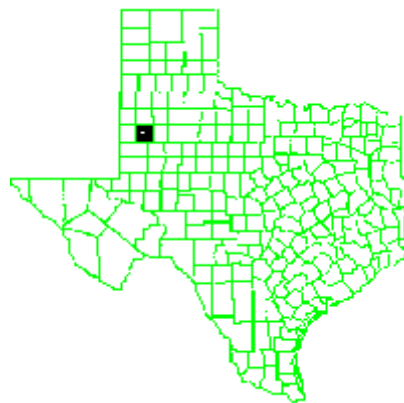


STATE ROAD 114 GROUND WATER
PLUME SUPERFUND SITE
Levelland, Texas

EPA Region 6
EPA ID# TX0001093152
State Congressional District: 5
Fact Sheet Updated: December 1, 1999



SITE DESCRIPTION

Location: The State Road 114 Ground Water Plume site consists of the contaminated ground water plume in the aquifer underlying the western boundary of the City of Levelland, Hockley County, Texas, approximately 31 miles due west of Lubbock.

Setting: In the absence of a specific source of contamination, the State Road 114 Ground Water Plume site has been identified as a plume of contaminated ground water in the Ogallala Aquifer where 28 wells have significant levels of contamination. The plume extends from west to east (in the direction of ground water flow) along West State Highway 114 for approximately 1 ½ miles from the former Motor Fuels Corporation (MFC) property to the City of Levelland municipal park. The ground water plume is approximately a mile wide, bounded roughly by Ellis Road to the north and Houston Avenue to the south. Analyses of samples collected during site investigations to date indicate 1,2-DCA concentrations as high as 182 micrograms per liter (ug/l) and vanadium concentrations as high as 490 ug/l. EPA has established a maximum contaminant level (MCL) for 1,2-DCA in drinking water of 5 ug/l. No MCL currently exists for vanadium; however, the Superfund Removal Action Level for vanadium is 250 ug/l.

Population: The City of Levelland draws approximately one-third of its drinking water from the Ogallala Aquifer and obtains the rest of its water supply from surface water sources. The city operates 17 public water supply wells, as of which are located down gradient and within 4 miles of the center of the ground water plume. The city's ground water wells serve 4,200 people of a total population of 14,000. Although 1,2-DCA contamination has not been detected in any of the active public wells to date, elevated levels of vanadium contamination have been documented in two of the city wells. A third public well was closed during the 1960's due to taste and odor problems. Contamination by 1,2-DCA has been detected in this well. Given their proximity and location in the immediate migration path of the ground water plume, all of the city's active public water supply wells are considered potentially susceptible to contamination.

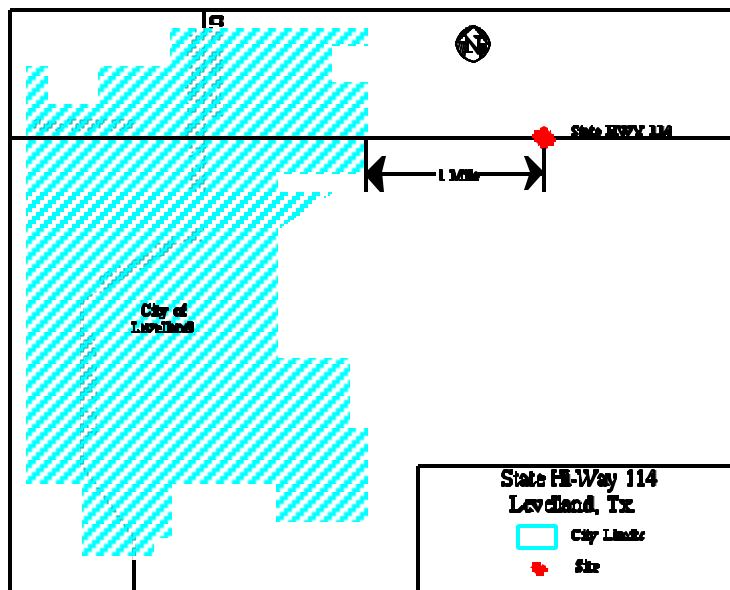
WASTES AND VOLUMES

The Ogallala Aquifer is the principal source of drinking water for residents in Hockley County. Site investigations conducted by the TNRCC and the EPA to date have identified 15 wells contaminated with 1,2-DCA and vanadium, one well with 1,2-DCA only, and 12 wells with vanadium only. The Texas Department of Health has advised owners of the impacted wells that use of the well water is unsafe. EPA is partnering with the TNRCC to address the hazards posed by the use of this water and has initiated a program to install and maintain ground water filtrations systems for these wells. Filtration units have been installed on 14 of the 16 wells contaminated with 1,2-DCA, including the Farmers Co-op Elevator Association well. The remaining two wells are not used for drinking water. Filtration systems have also been installed at three businesses where elevated levels of vanadium or metals contamination have impacted ground water quality.

NATIONAL PRIORITIES LIST

NPL Inclusion Proposal Date: July 19, 1999
NPL Inclusion Final Date: October 22, 1999
NPL Deletion Proposal Date: n/a
NPL Final Deletion Date: n/a

SITE MAP



SITE HISTORY

1. June 1990: contamination by 1,2 DCA was first detected by the Texas Department of Health in a sample collected from the Farmers Co-op Elevator Association well.
2. 1995-1998: Investigations by the TNRCC and EPA identified impacts from 1,2-DCA, vanadium, and/or metals contamination in 28 ground water wells in the area, including : 19 residential wells, five business wells, three City of Levelland public water supply wells, and one irrigation well.

PRESENT STATUS AND ISSUES

The Site is currently in Remedial Investigation / Feasibility Study. The TNRCC staff members are currently preparing cooperative agreement applications for the site.

RECORD OF DECISION

The Record of Decision (ROD) will be issued after the RI/FS and Proposed Plan are developed and reviewed and public comment is received.

COMMUNITY INVOLVEMENT

Site Mailing List:

EPA Open Houses: To be announced

Site Status Fact Sheets: 9/99, 10/99

EPA Formal Meetings: None

Community Relations Plan: In Development

Constituency Interest: Nearby residents concerned about ground water issues and are supportive of State and EPA efforts.

Site Repository: Hockley County Library, 802 Houston Street, Suite 108, Levelland, Texas 79336 (806) 894-6750

TECHNICAL ASSISTANCE GRANT

Availability Notice: 11/99

Letters of Intent Received:

Final Application Received: n/a

Grant Award: n/a

SITE CONTACTS

EPA Remedial Project Manager: Vincent Malott 214-665-8313 or 1-800-533-3508
Site Attorney: Joseph E. Compton 214-665-8506 or 1-800-533-3508
Community Involvement: Donn Walters 214-665-6483 or 1-800-533-3508
EPA Contractor: N/A
EPA Ombudsman Arnold Ondarza 214-665-6790 or 1-800-533-3508
TNRCC Remedial Project Manager: Diane Poteet 512-239-2502 or 1-800-633-9363
TNRCC Community Relations: Janet Bauchman 512-239-0341 or 1-800-633-9363